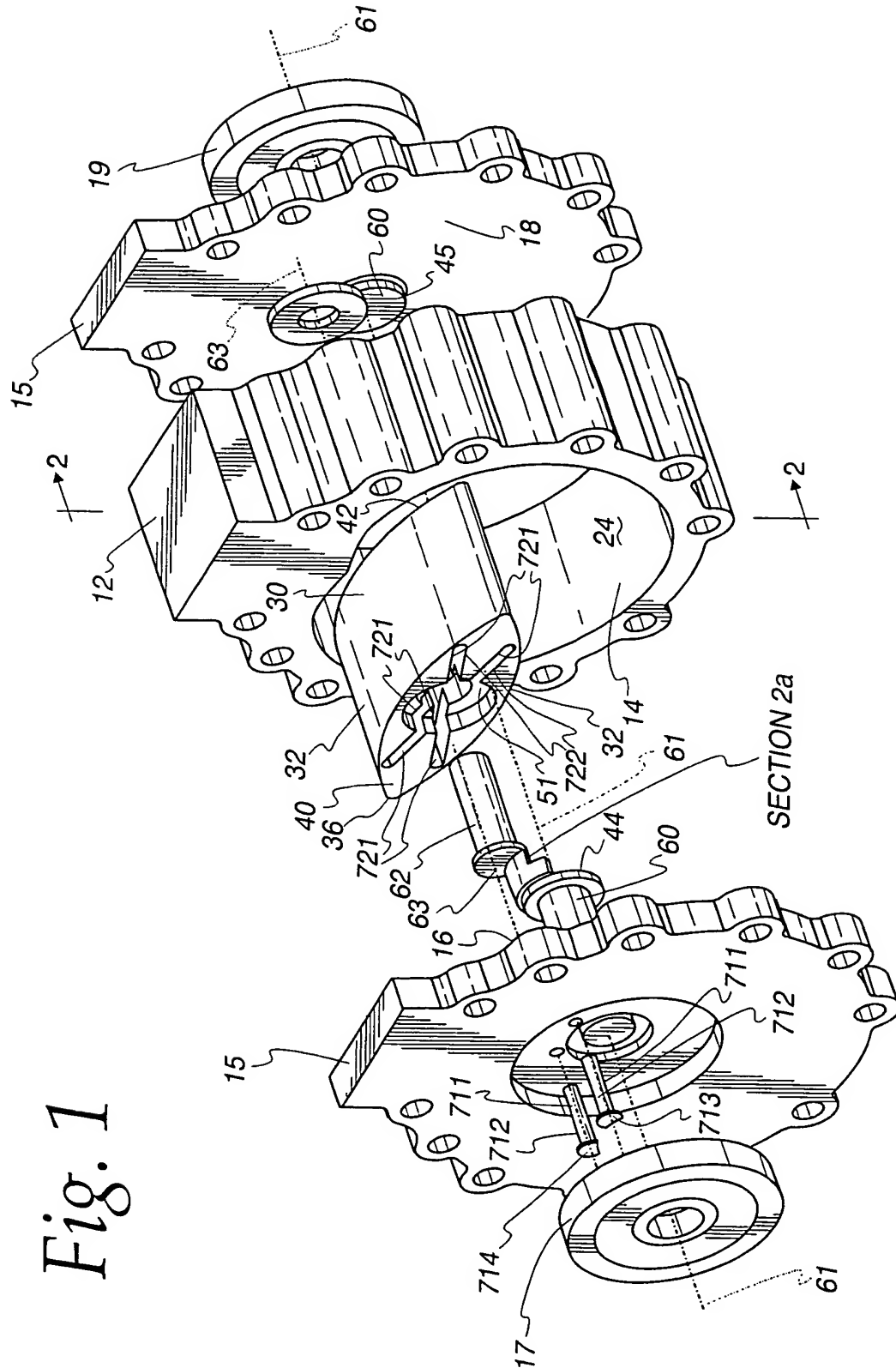
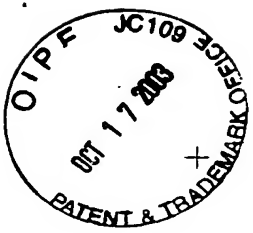


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Fig. 2a

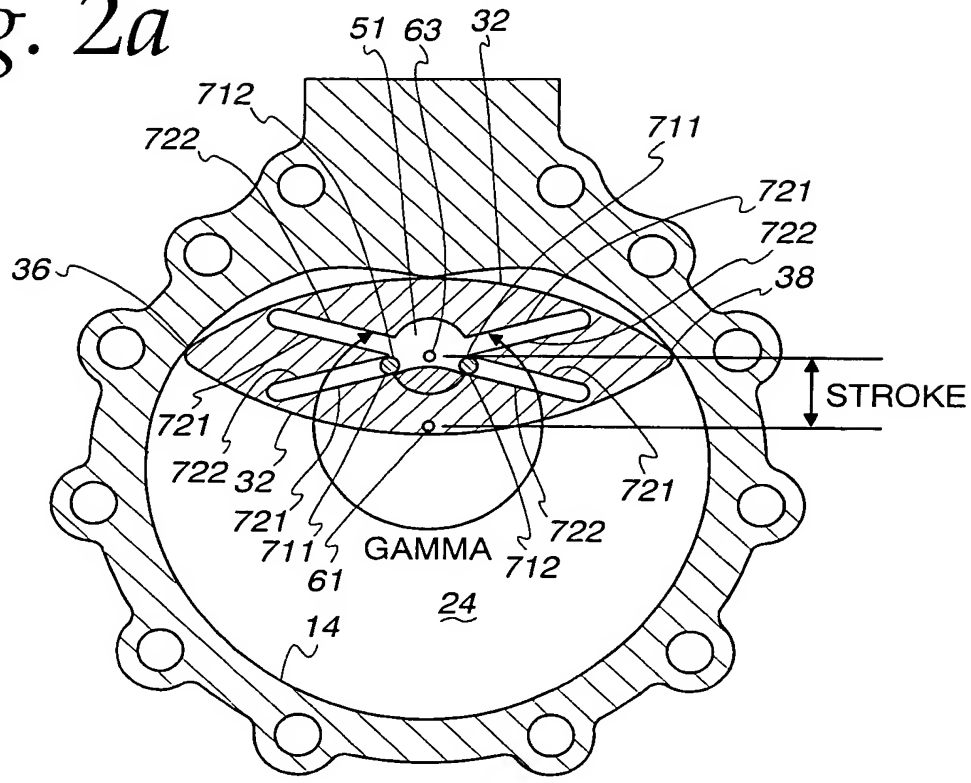
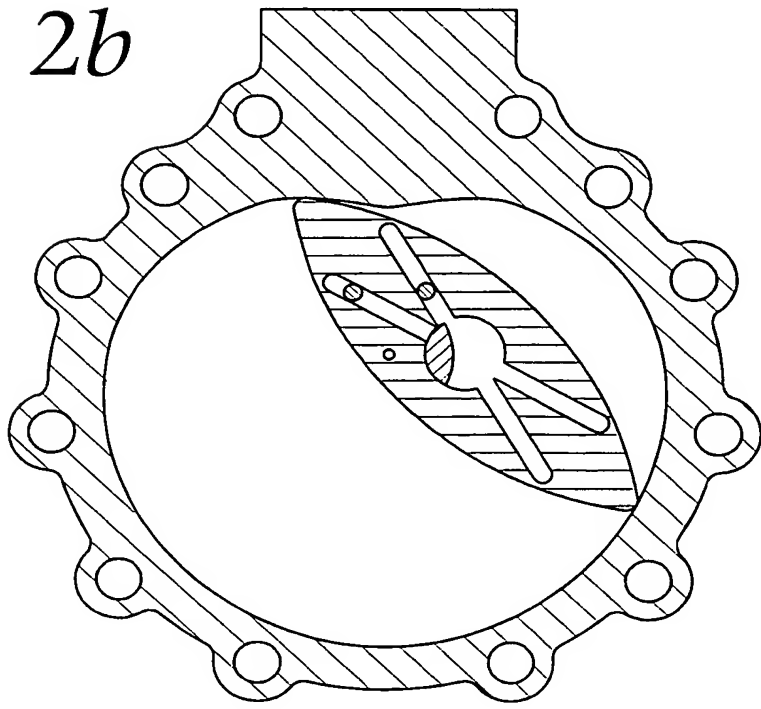


Fig. 2b



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Fig. 2c

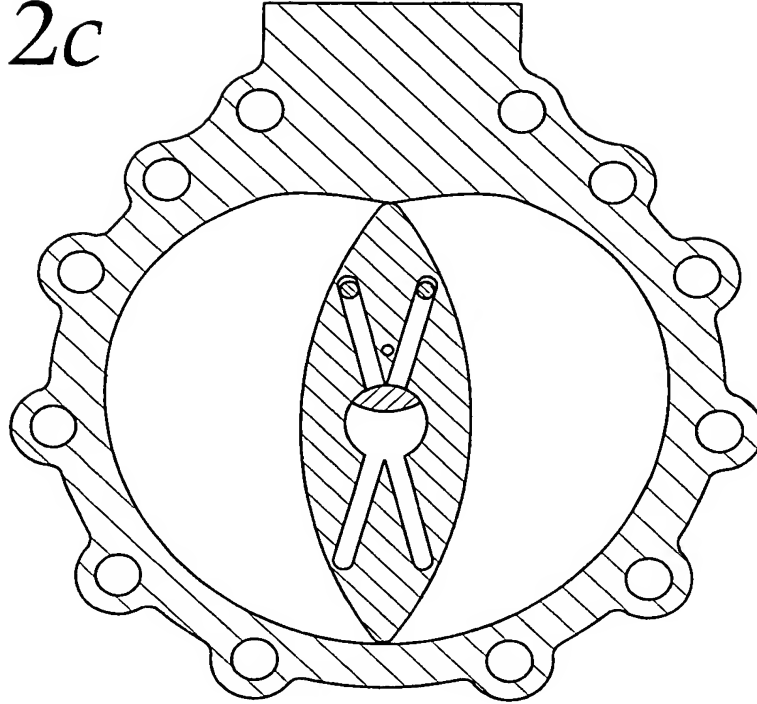
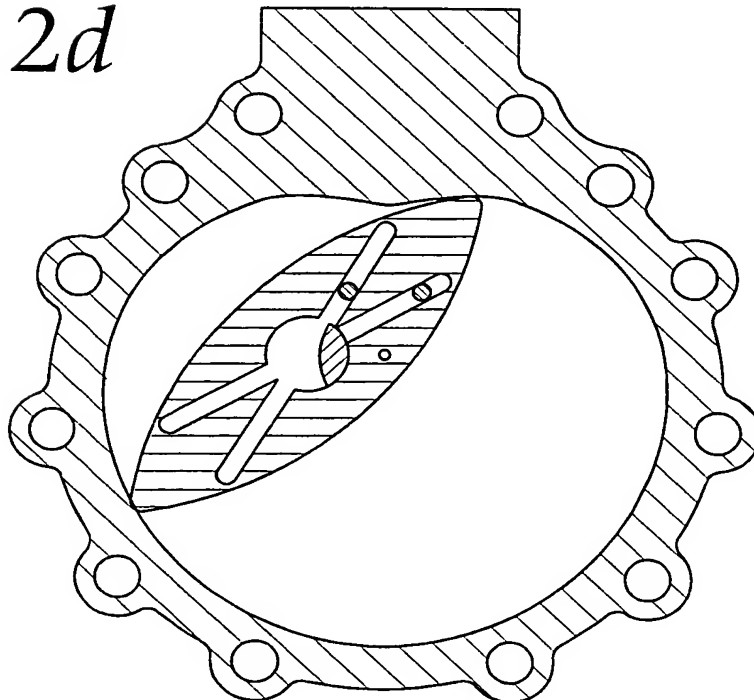


Fig. 2d



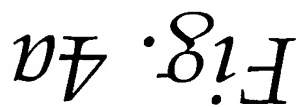


Fig. 4a

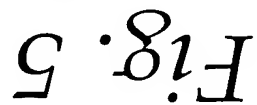


Fig. 5

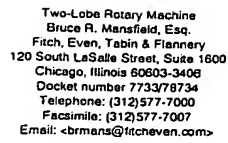


Fig. 6

A detailed cross-sectional view of a piston assembly. The assembly consists of an outer piston ring (612) and an inner combustion chamber (611). The combustion chamber is defined by a central gear-like component (621) and a surrounding ring (622). The gear-like component has a central shaft (7b) and a radius R_{CO} . The gear-like component is connected to a crankshaft (613, 614) via a connecting rod (621). The stroke of the piston is indicated by a vertical double-headed arrow labeled "STROKE". The gear-like component is also labeled with $\gamma(GAMMA)$ and $6/13$. The outer piston ring is labeled 612 and the inner combustion chamber is labeled 611. The gear-like component is labeled 621 and the surrounding ring is labeled 622. The connecting rod is labeled 613, 614. The central shaft is labeled 7b. The radius R_{CO} is indicated. The stroke is indicated by a vertical double-headed arrow labeled "STROKE". The gear-like component is also labeled with $\gamma(GAMMA)$ and $6/13$.

Fig. 7a

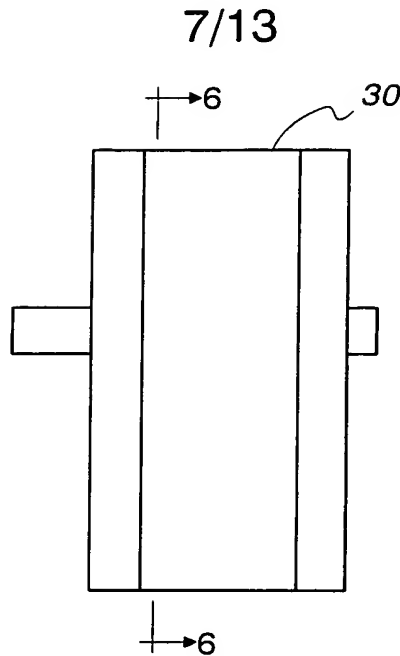
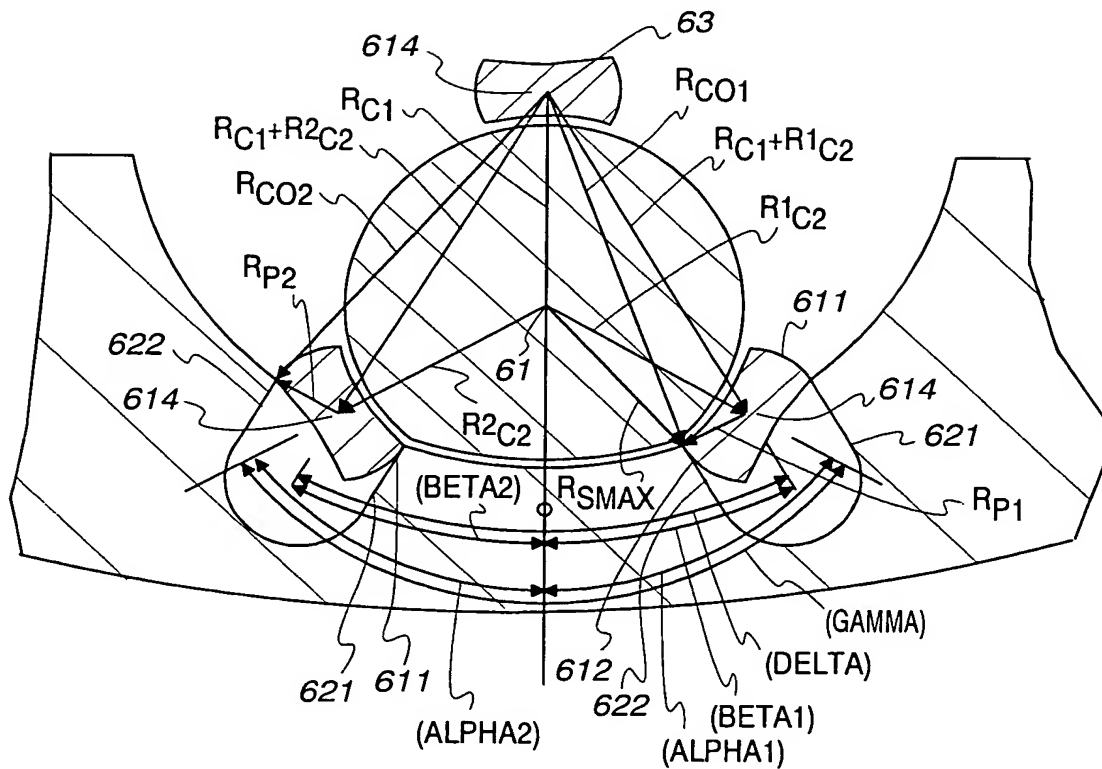
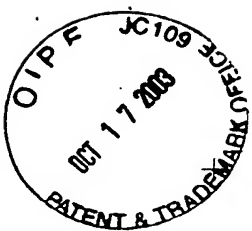


Fig. 8





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Fig. 9

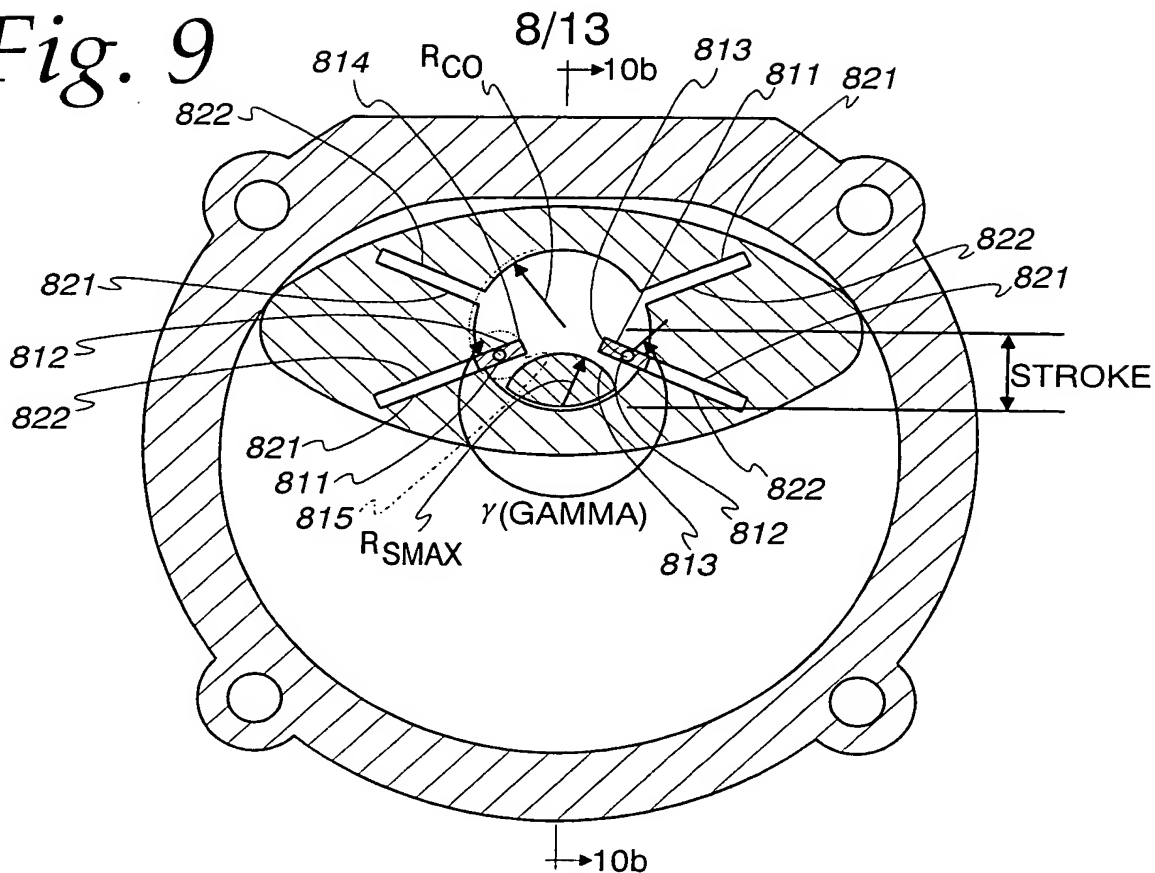
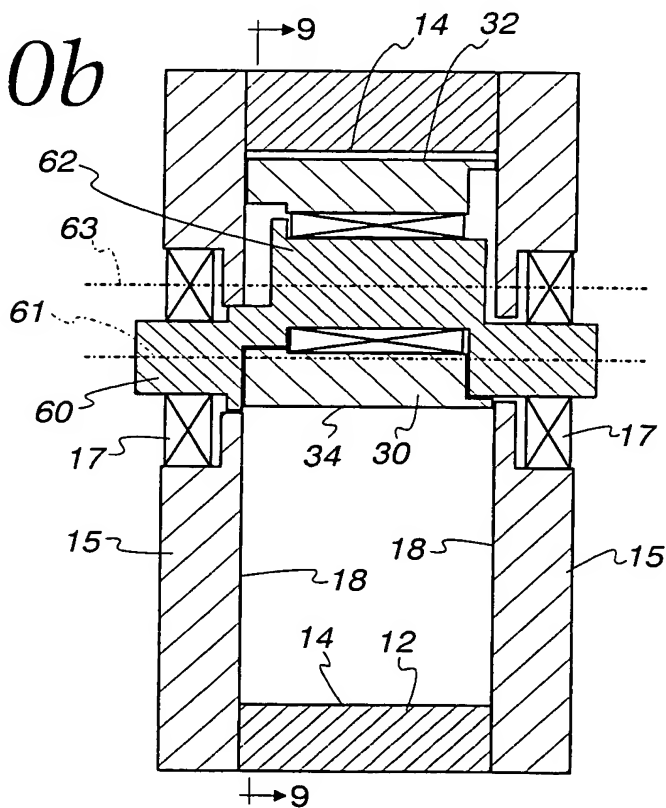
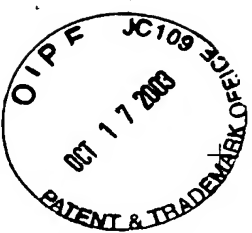


Fig. 10b





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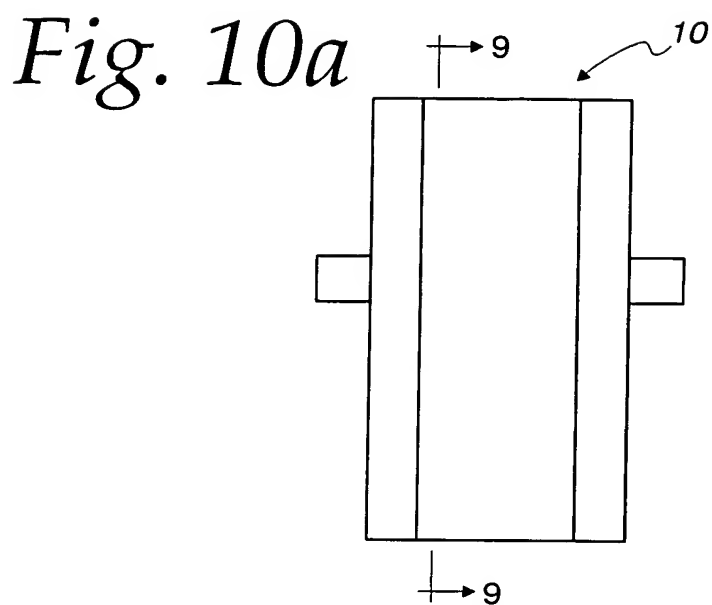
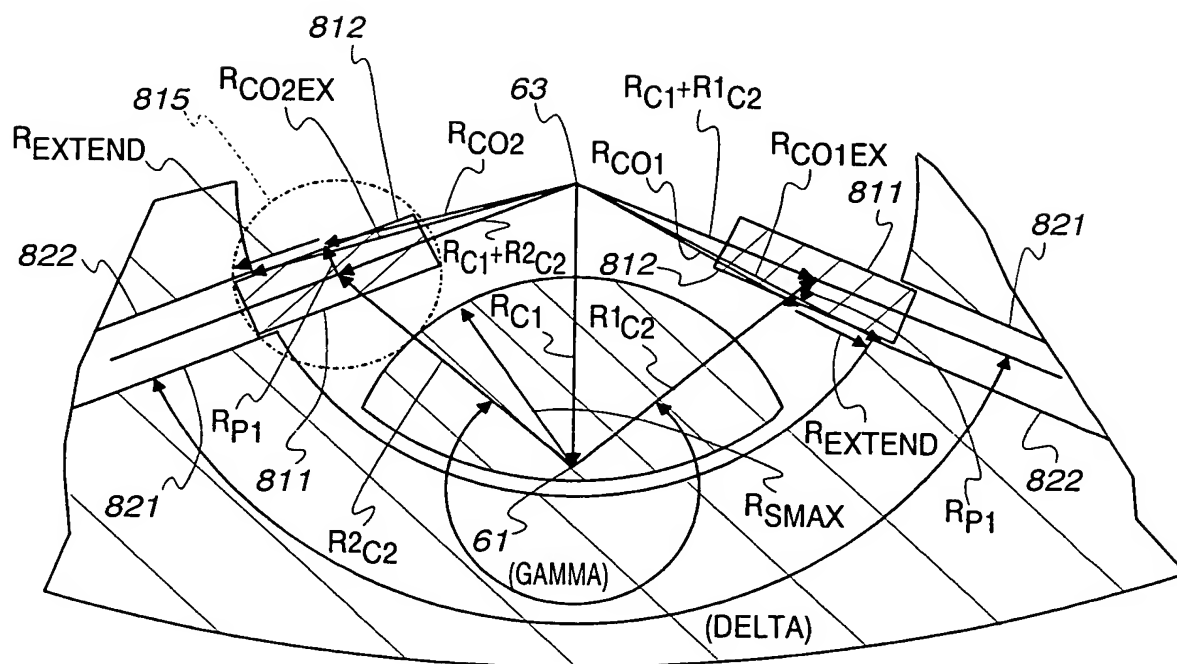


Fig. 11





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Fig. 12

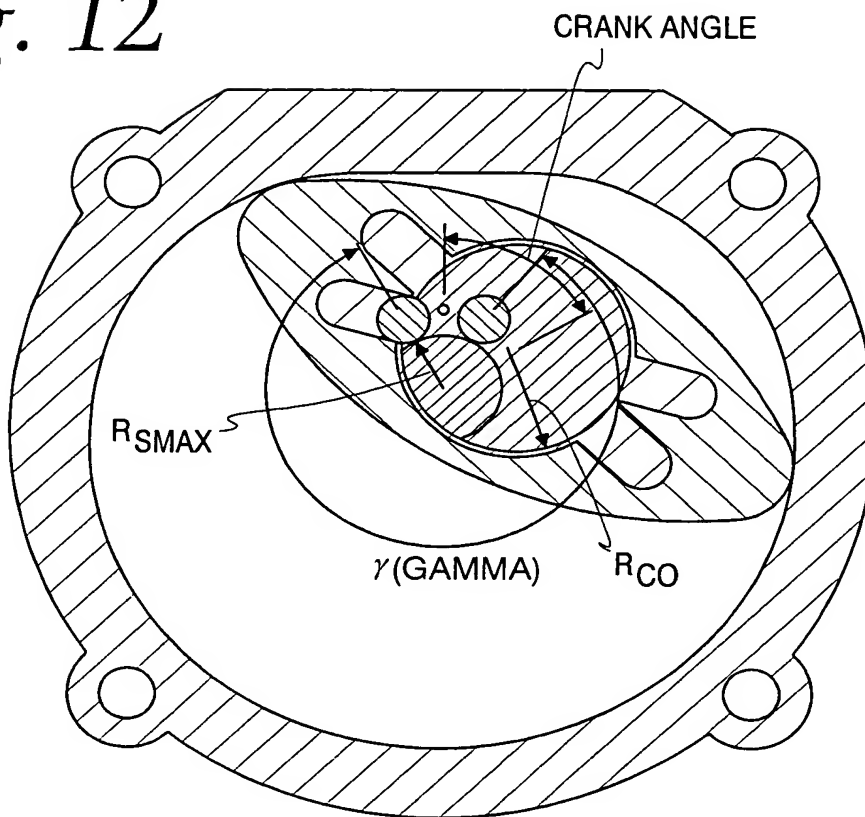
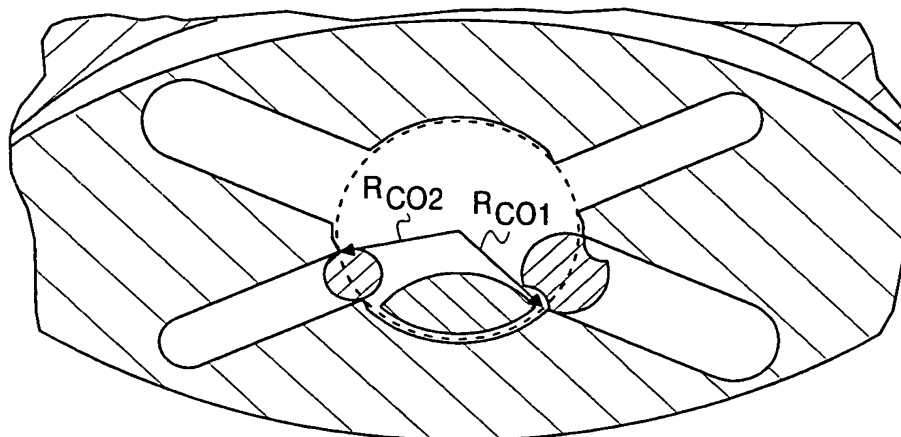


Fig. 13





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Fig. 15

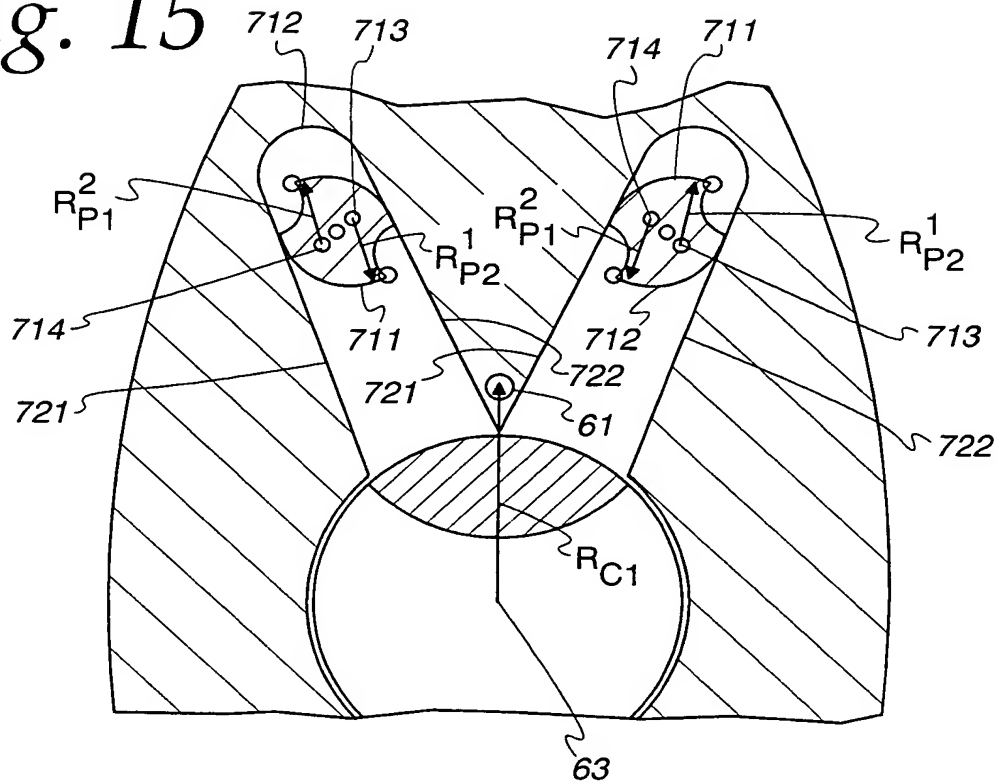
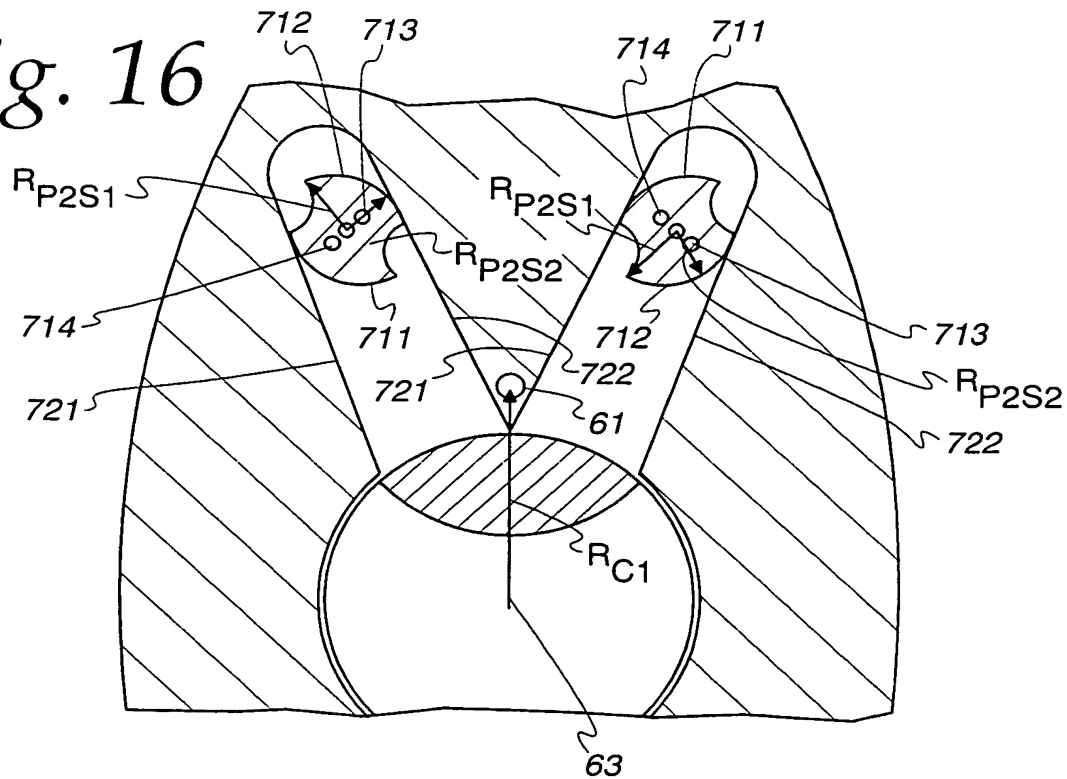
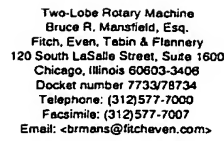


Fig. 16





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